

1. BARCH, L.I.
2. USCR (600)
4. Wetting Agents
7. Consultation on the use of wetting agents as a means against mine dust. Izv.AN SSSR.
Otd.tekh.nauk no.7, 1952.

9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

BARON, L. I.

"Conferences on the Results of Research in the Use of Humidifiers in Dust Control
in Mines," Gig. i San., No.9, 1952

BARON, L. I.

"Results of a Meeting on the Use of Wetting "agents," Gor, zhur., No.9, 1952

USSR/Mining - Safety Practice

Oct 52

"Conference on Silicosis Prevention in the Mining
Industry," L. I. Baron

"Iz Ak Nauk, Otdel Tekhn Nauk" No 10, pp 1579-1581

243T50
Briefly describes reports presented at conference
arranged by Commission on Silicosis Prevention,
Acad Sci USSR, 11-14 Jun 52. Major report, de-
livered by Acad A. A. Skochinskii, chairman of
commission, was titled "Results and Further Tasks
in the Scientific Development of Engineering-
Technical Problems in Silicosis Prophylaxis in
the Mining Industry of the USSR." Lists suggestions

of practical measures and scientific research
brought out at conference.

243T50

243T50

1. SKOCHINSKIY, A.A., BARON, L. I.
2. USEK (600)
4. Lungs - Dust Diseases
7. Results and further tasks of scientific work in prophylaxis of silicosis. Gor zhur No. 12 1952.

9. Monthly List of Russian Accessions. Library of Congress, April 1953, Uncl.

BARON, L. I.

"Silicosis in the Ruhr," *Ugol'*, 27, No. 3, 1952

BARON, L.I.

PHASE I TREASURE ISLAND BIBLIOGRAPHICAL REPORT AID 265 - I

BOOK

Authors: BARON, L. I., VASIL'YEV, G. A., DOKUCHAYEV, M. M.,
KRASNOPEROV, A. A., Mining engineers.

Full Title: BLASTING

Transliterated Title: Vzryvnyye raboty

Publishing Data

Originating Agency: None

Publishing House: State Publishing House on Structural Materials

Date: 1953 No. pp.: 323 No. of copies: 4,000

Editorial Staff

Editor: Baron, L. I., Doctor of
Technical Sciences Tech. Ed.: None

Editor-in-Chief: None Appraiser: None

Text Data

Coverage: This is a textbook prepared for use with a course in "Blasting" given in technical colleges of the Ministry for the Building Materials Industry in the USSR. The main emphasis is put on blasting in open-cut exploitations. The methods used in underground mining are outlined to a lesser extent. The theory and technology of blasting presented is based mainly on the experiences of the Main Office for Blasting Works in Industry (Glavvzryvprom), formerly the All-Union Drilling and Blasting Trust (Soyuzvzryvprom).

1/4

Vzryvnyye raboty

AID 265 - I

This textbook does not treat the properties of explosives, or drilling, safety measures, and standardization because all those problems constitute different separate courses. The problem of blasting is covered in detail with many empirical formulas.

This is a comprehensive outline of all aspects of blasting which cannot easily be found in American literature.

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Vzryvnyye raboty

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Ch. XIV	Blasting for Purposes of Crushing, Breaking and Mellowing of Soil and of other Materials; Deep Soil Crushing; Crushing of Frozen Ground; Crushing of Salt	255-259
Ch. XV	Blasting of Structures, Stumps and Trees, Metals, Hot Solid Masses; Underwater Blasting, Demolition of Stone Buildings and Structures; Crushing of Foundations; Uprooting of Stumps and Cutting Down of Trees; Blasting of Ice	260-286
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Purpose:	Approved by the Board of Institutions of Higher Learning of the Ministry of Industry of Structural Materials, USSR, as a textbook for technical colleges.	
Facilities:	None	
No. of Russian and Slavic References:	11 in footnotes (1945-1952)	
Available:	Library of Congress.	4/4

BARON, L. I.

SKOCHINSKIY, A.A., akademik; SMELYANSKIY, Z.B., professor, doktor meditsinskikh nauk; BARON, L.I., doktor tekhnicheskikh nauk.

Achievements and future tasks of scientific research on the problem of silicosis control in the U.S.S.R. mining industry. Bor'ba s sil. 1:5-21 '53.

(MLRA 7:10)

(LUNGS--DUST DISEASES--PREVENTION)

BARON, L.I., doktor tekhnicheskikh nauk.

Breaking up ores by the deep blasting method as a means of controlling mine dust. Bor'ba s sil. 1:42-46 '53. (MLRA 7:10)

1. Komissiya pri Akademii nauk SSSR po bor'be s silikozom.
(BLASTING) - (MINE DUSTS)

BARON, L.I., doktor tekhnicheskikh nauk; TERENT'YEV, V.I., kandidat tekhnicheskikh nauk; KALOSHIN, S.G., gornyy inzhener.

Reducing the occurrence of silicosis and increasing the effectiveness of perforatory drilling by using bits with hard tips set at an angle. Bor'ba s sil. 1:76-82 '53. (MLRA 7:10)

1. Komissiya pri Akademii nauk SSSR po bor'be s silikozom (for Baron). 2. Institut gornogo dela Akademii nauk Kazakhskoy SSR (for Kaloshin).

(MINE DUSTS) (BORING MACHINERY)

SKOCHINSKIY, A., akademik; BARON, L., doktor tekhnicheskikh nauk.

Outstanding scientist in mining. Mast.ugl.2 no.11:25 N '53. (MLRA 6:11)
(Terpigorev, Aleksandr Mitrofanovich, 1873-)

BARON, L.I.; SKOCHINSKIY, A.A., akademik.

Basic trends of Soviet technology in the control of mine dust as an occupational hazard. Izv. Akademiya nauk SSSR Otd. tekh. nauk no. 9:1235-1239 S '53.

(MLRA 6:10)

1. Akademiya nauk SSSR (for Skochinskiy).

(Mine dust)

BARON, L.I.

Second conference on dust control in mining. Izv. AN SSSR Otd.tekh.nauk.no.10:
1498-1501 o '53.

(MLRA 6:11)
(Mine dusts)

BARON, L. I.

USSR/Mining - Ores

Card : 1/1 Pub. 123 - 9/19

Authors : Baron, L. I., Dr. of techn. sciences

Title : Planimetric determination of the volume of an average piece of ore
Vol. 10, №.

Periodical : Vest. AN Kaz. SSR 12, 65 - 69, December 1953

Abstract : A method for planimetric determination of the volume of an average lump of ore, is described. Three USSR references (1948 and 1950). Table, drawing, illustration.

Institution : Acad. of Sc. Kaz. SSR, Alma-Ata

Submitted : ...

BARON, L.I., SKOCHINSKIY, A.A., akademik, redaktor; GRISHAYENKO, M.I.,
redaktor; ALADOVA, Ye.I., tekhnicheskij redaktor.

[The prevention of silicosis and antracosis of mines] Profi-
laktika silikoza i antrakoza pri gornykh razrabotkakh. Pod
red. A.A.Skochinskogo. Moskva, Ugletekhnizdat, 1954. 395 p.

(Lung---Dust diseases) (Mine dusts) (MLRA 8:3)

Baron, L.I.

✓ 4240. DISCUSSION OF RESULTS OF RESEARCH ON USE OF SETTING AGENTS FOR
COPING WITH SILICOSIS. (Paris, 4.7) (187. 88d. Nuk. R&D. Otcal. Fdn. Brk.
(Bull. Acad. Sci. U.S.S.R., Tech. Sci.), Feb. 1954, 121-124). No. 2.
conference held in December 1953 by the U.S.S.R. Commission on Combating
Silicosis, and concerned primarily with ore mining, is reported. Experiments
with setting agents had been on too small a scale. They are to be continued
to sizes where large scale setting with water is already established.
Research on the mechanism of setting is to be concentrated in the Institute
of Physical Chemistry, and the NIGRIIS Institute is to produce a standard test
for the effectiveness of setting agents in ore mines.

BAREN, L.I.

✓ 2976. WORKING OUT METHODS OF DRY DUST CATCHING DURING DRILLING OF SHOT HOLES WITH PNEUMATIC HAMMERS. Baren, L.I. (Inv. Akad. Nauk SSSR, Ordol, Tekh. Nauk (Bull. Akad. Sci. U.S.S.R., "Sect. Tech. Sci."), Dec. 1954, 142, 143). Five papers to a conference held by the Committee on Combating Silicosis, Academy of Sciences U.S.S.R. in October 1954 are summarized. They refer mainly to ore mines.

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BARON, L.I.

GAGULIN, M.V.; BARON, L.I.

Determination of the spacing of deep explosion holes in subterranean ground breaking in relation to the ore richness coefficient based on Protod'iakonov's scale. Trudy Inst.gor. dela 1:69-74 '54.
(Mining engineering) (Blasting)

(MLRA 7:12)

BARON, L.I.

USSR/Scientific Organization

FD-625

Card 1A : Pub. 41 - 17/17

Author : Raskatov, V. M., Petrov, B. N., Naumov, B. N. Baron, L. I.,
Kalashnikova, P. Ya., and Kharkevich, A. D.

Title : In the scientific institutions of the Department of Technical Sciences of the Academy of Sciences of the USSR

Periodical : Izv. AN SSSR, Otd. tekhn. nauk, 2, 111-128, Feb 1954

Abstract : Describes activity of various scientific institutions in five articles.
1. Conference on Automation of Technological Processes in Machine Building, pp 111-116. Report on conference conducted in 1953. Gives authors, titles, and abstract of reports presented. 2. Second All-Union Conference on the Theory of Automatic Regulation, pp 117-122. Gives authors, titles, and abstracts of reports. 3. Discussion of results of research on use of wetting agents for combatting mine dust, pp 123-124. Report on December 1953 meeting of Commission for Prevention of Silicosis. Gives titles, authors, abstracts of reports on wetting agents used for removal of dust from mine air. 4. Seminar on the Theory of Machines and Mechanisms of the Institute of Machine Building of the Academy of Sciences of the USSR, pp 124-126. Gives authors, titles and abstracts of some reports discussed in 1953. 5. Seminar of the Laboratory for Developing Scientific Problems of Wire Communication of the Academy of Sciences of the USSR, pp 126-128. Report on second half of 1953. Gives authors, titles, and abstracts of reports.

USSR/Scientific Organization

FD-1391

Card 1/1 : Pub. 41-18/18

Author : Domanitskiy, S. M. (1), Kupriyanov, V. P. (2), Baron, L. I. (3), and Demidov, L. G. (4)

Title : In the scientific establishments of the Department of Technical Sciences of the Academy of Sciences of the U.S. S. R.

Periodical : Izv. AN SSSR. Otd. tekhn. nauk 3, 155-172, Mar 1954

Abstract : Five articles with description of scientific activity as follows: (1) "Problems of the Automatization of the Consumer-Goods Industry" -- a report on a conference held 8-13 March, 1954, in Moscow. (2) "Conference on Heat-Insulating Materials" -- a report on problems of production and use of heat-insulating materials in construction industry; conference was held in 1953. (3) "Development of Improved Methods for Determining Content of Free Silica in Mine Dust and Rocks" -- a report on conference called by Commission for Prevention of Silicosis, 24 March 1954. (4) "All-Union Conference on Coal Dressing" -- a report on conference held in 1953 in Moscow. (5) "Defense of Dissertations" -- report on defense of dissertations by applicants for scientific degrees.

Institution :

Submitted :

BARON, L.I.

Working out improved methods of determining the content
of free silicon dioxide in mine dust and mineral rocks.
Izv. AN SSSR. Otd. tekh. nauk no. 3:163-165 Mr '54. (MLR 7:7)
(Silica) (Mine dusts) (Rocks--Analysis)

BARON, L.I.; FILIPPOVA, M.P.

Conference on results of laboratory experiments with certain types of
respirators. Gig.i san. no.4:54-56 Ap '54. (MLRA 7:4)
(Respirators)

BARON, L.I.

Commission on the control of silicosis. Gig.i san. no.5:58-59 My '54.
(MIRA 7:5)
(Lungs--Dust diseases)

BARON, L.I.

Activities of local committee for the control of silicosis. Gig.
i san. no.8:59-60 Ag '54. (MLRA 7:9)

(SILICOSIS, prevention and control,
Russia)

FD - 1596

USSR/Mining

Card 1/1 : Pub. 41-17/18
Author : Baron, L. I. and Fugzan, M. D., Moscow
Periodical : Izv. AN SSSR. Otd. tekhn. nauk 8, 154-158, Aug 1954
Title : On the value of the coefficient of break-up of ore in a block during large-scale cavings
Abstract : States that figures available in mining-engineering reference books on the coefficient of break-up (ratio of volumetric weight of untouched ore to volumetric weight of broken-up ore) or rocks characteristic of mineral deposits are approximate values which are useful for loading of transport vessels, etc., but are exaggerated for conditions of break-up of ore in large-scale block-caving. In support of above contention, analyzed data obtained from large-scale underground blasting at apatite mine imeni S. M. Kirov during first half of 1954. Tables. Two references.
Institution :
Submitted :

BARON, L.I.

Commission of the Academy of Sciences of the U.S.S.R. for the
campaign against silicosis. Gig. i san. no.11:56 N 154. (MLRA 7:12)
(SILICOSIS, prevention and control
in Russia, conf.)

BARON, L. I.

USSR/ Mining - Book review

Card 1/1 Pub. 123 - 15/16

Authors : Baron, L. I., Cand. of Tech. Sc.

Title : Treatment of ore deposits

Periodical : Vest. AN Kaz. SSR 12, 93-95. Dec 1954

Abstract : Critical review is presented of the book, by A. D. Polishchuk and A. G. Shostak entitled, "Self-Destruction of Mine Pits in the Krivoyrog Iron Ore Basin," published in 1953.

Institution :

Submitted :

BARON, L.I., doktor tekhnicheskikh nauk.

Methods of mine dust control. Ugol' 29 no.3:31-37 Mr '54.

(MLRA 7:3)

1. Institut gornogo dela Akademii nauk SSSR. (Mine dusts)

TERPIGOROV, A.M., akademik, redaktor; AGOSHKOV, M.I., redaktor;
BARON, L.I., doktor tekhnicheskikh nauk, redaktor; PROTOD'YA-
KONOV, M.M., doktor tekhnicheskikh nauk, redaktor; FAYERMAN,
Ye.M., doktor tekhnicheskikh nauk, redaktor; TEPANTSKIY, G.A.,
kandidat tekhnicheskikh nauk, redaktor; RATNIKOVA, A.P.,
redaktor; KOROVENKOVA, Z.A., tekhnicheskiy redaktor.

[Problems in the disintegration and thrust of rock; on the 25th
anniversary of the death of M.M.Protod'iakonov] Voprosy raz-
rushenia i davleniya gornykh porod; k 25-letiiu so dnia
smerti professor M.M.Protod'iakonova. Moskva, Ugletekhizdat,
1955. 313 p. (MLRA 8:12)

1. Akademiya nauk SSSR. Institut gornogo dela. 2. Chlen-korres-
pondent AN SSSR (for Agoshkov)
(Earth pressure) (Mining engineering)
(Protod'iakonov, Mikhail Mikhailovich, 1874-1930)

BARON, L.I., doktor tekhnicheskikh nauk

Methods and the results of industrial research on the effectiveness
of wetting agents in wet boring. Bor'ba s sil. 2:71-78 '55.

(MIRA 9:5)

1. Komissiya pri Akademii nauk SSSR po bor'be s silikozom.
(BORING) (DUST--PREVENTION) (WETTING AGENTS)

BARON, L.I., doktor tekhnicheskikh nauk; KEKIN, A.A., kandidat tekhnicheskikh nauk; TERENT'YEV, V.I., kandidat tekhnicheskikh nauk; AKHMETOV, M.M., kandidat tekhnicheskikh nauk; ZHANABATYROV, Ye.S., gornyy inzhener

Studying the effectiveness of different systems used for the precipitation of dust in boring with pneumatic hammers. Bro'ba s sil. 2:118-131 '55.
(MLRA 9:5)

1. Komissiya pri Akademii nauk SSSR po bor'be s silikozom (for Baron)
2. Insitut gornogo dela Akademii nauk Kazakhskoy SSR.
(DUST COLLECTORS) (BORING)

Classification : Dust Removal

Date 1/1 : 1951/2/1

Author : Baron, I. I.

Title : The development of basic principles in the planning of dust control measures in new mining enterprises (in press)

Periodical : Izv. AN SSSR, Otd. Tekh. Nauk 2, 142-144, Feb 1952

Abstract : Reviews the tentative proposals made by a commission of the Academy of Sciences USSR concerned with the prevention of silicosis.

BARON, L.I.

Determining the intensity of dust inflow in the mine atmosphere
during perforation boring of blast holes. Trudy Inst. gor.dela no.2:
166-170 '55.

(MLRA 9:3)

(Mine dusts) (Boring)

BARON, L.I.

Method of determining the average size of dust particles with the
help of a microscope. Trudy Inst.gor.dela no.2:177-180 '55.

(MLRA 9:3)

(Mine dusts) (Microscopy)

Subject : USSR/Medicine AID P - 2176
Card 1/1 Pub. 37 - 18/22
Author : Baron, L. I., Dr. of Tech. Sci.
Title : In the Anti-Silicosis Committee, Academy of Sciences, USSR
Periodical : Gig. i san., 4, 56, Ap 1955
Abstract : Discusses the work performed in 1954 by the Department of Dispersal Systems of the Institute of Physical Chemistry, Academy of Sciences, USSR, on the problem of using wetting agents against mine dust.
Institution : None
Submitted : No date

BARON, L.I.; FILIPOVA, M.P.

Investigation on the use of the condensation method for mine dust trapping. Inv. AN SSSR. Otd.tekh.nauk no.8:162-164 Ag '55.
(Mine dusts) (MLRA 9:1)

BARON,L.I.; SIMONYAN,Ye.A.

Experimental investigation of friction coefficients of various-size crushed ore pieces on wood and iron slopes. Izv. AN Arm SSR. Ser FMET nauk 8 no.3:67-79 My-Je '55. (MIRA 8:11)

1. Institut gornogo dela Akademii nauk SSSR. 2. Institut geologicheskikh nauk Akademii nauk Armyanskoy SSR.
(Friction) (Ore dressing)

BARON, L.I.; TRUMBACHEV, V.P.

Using the optical method for investigating the distribution of stresses
arising in a medium under the action of pressure from an enclosed hollow
space. Vest. AN Kazakh. SSR 11 no.4:65-74 Ap '55. (MIRA 8:8)
(Pressure (Physics)) (Strains and stresses)

BARON, L.I., doktor tekhnicheskikh nauk

Unusual case of mine percussion. Vest.AN Kazakh.SSR 11 no.7:
64-65 Jl'55.

(MLRA 8:10)

(Mining engineering)

BARON, L.I.

Practical experience in over-all dust removal from the air of
mines. Inv. AN SSSR. Otd. tekhn. nauk. no.12:147-150 D '55.
(MLRA 9:3)
(Mine dusts)

BARON, L. I.

USSR/ Mining - Prophylaxis

Card 1/1 Pub. 124 - 12/30

Authors : Baron, L. I., Dr. of Tech. Sc.

Title : Standardization of measures against mine dust

Periodical : Vest. AN SSSR 25/7, 74 - 77, Jul 1955

Abstract : Report is presented by the Interdepartmental Commission of the Acad. of Sc., USSR on effective measures of combating pneumoconiosis caused by mining dust. It is pointed out that such occupational diseases, especially silicosis, have increased considerably because of the introduction of pneumatic drilling into the mining industry.

Institution :

Submitted :

BARON, L .I., doktor tekhnicheskikh nauk.

Foreign practices in dry dust collection during pneumatic
hammer boring. Ugol' 30 no.12:36-39 D '55. (MLRA 9:2)
(Dust collectors) (Mine dusts)

BARON, L.I.; SMELYANSKIY, Z.B.; SKOCHINSKIY, A.A., redaktor

[Prevention of silicosis; organization and methods] Profilaktika
silikoza; organizatsionno-metodicheskie materialy. Pod obshchey red.
A.A.Skochinskogo. Moskva, Medgiz. 1956. 251 s. (MLRA 9:11)
(LUNGS--DUST DISEASES)

BARON, L.I., doktor tekhnicheskikh nauk; FUGZAN, M.D., kandidat tekhnicheskikh nauk.

Effect of increasing specified ore size on the labor productivity of ore output. Gor.zhur.no.3:18-22 Mr '56. (MLRA 9:7)
(Mining engineering) (Ore handling)

124-57-1-965

Translation from: Referativnyy zhurnal, Mekhanika, 1957, Nr 1, p 134 (USSR)

AUTHORS: Baron, L. I., Trumbachev, V. F.

TITLE: Model Investigation of the Stress Distributions in a Medium Caused by the Pressure of Exploding Gases Against the Wall of a Charge Chamber (Issledovaniye na modelyakh raspredeleniya napryazheniy, vznikayushchikh v srede pod deystviyem davleniya vzryvnykh gazov na sterki zaryadnoy kamery)

PERIODICAL: V sb.: Vzryv. raboty. Nr 3. Moscow, Promstroyizdat, 1956, pp 34-59

ABSTRACT: A specially constructed device was used in an optical study of the stress distribution in a model occasioned by the weight of the medium and a uniform pressure applied at the boundary of a circular cylindrical housing suspended in the medium (plane problem). Numerous illustrations showing the distribution of the isolines and characteristic diagrams of the stresses and comments thereon are provided. It is noted that the tests performed were static; hence, the results may eventually be found to be considerably at variance with the stress distributions actually prevailing during an explosion in a medium.

S. S. Grigoryan

1. Stress analysis--Model test results 2. Explosions--Stresses
--Model test results 3. Stresses--Theory

Card 1/1

BARON, L.I.; VORONYUK, A.S.

Role of second crushing and the ore yield as related to the
general work input for second workings in various mining systems.
Trudy Inst.gor.dela 3:74-88 '56. (MLRA 9:8)
(Krivoy Rog--Iron mines and mining)

BARON, L.I., doktor tekhnicheskikh nauk; FUGZAN, M.D., kandidat tekhnicheskikh nauk.

Steady output of ore under actual working conditions. Khim.prom.no.4:
197-200 Je '56. (Mining engineering) (MLRA 9:10)

BAROV, L.I., doktor tekhnicheskikh nauk.

Development of underground mining techniques in capitalist countries.
Gor.zhur. no.10:32-41 '56. (MLRA 9:12)

1. Institut gornogo dela Akademii nauk SSSR.
(Mining engineering)

soil, I.

and, i. experiment in removing the dust from mine atmosphere. p. 5.

Vol. 10, (i. e. 11) no. 4, July/Aug. 1956

MINING

TECHNOLOGY

Sofia, Bulgaria

See: East European Accession, Vol. 6, no. 3, March 1957

BARON, L. I.

✓ 2295. SOME PROBLEMS IN COMBATING SILICOSIS AND ANTHRACOSIS IN COAL MINES. Baron, L. I. (Vigorskii Sotrud. (Vig. & Sotr.), Moscow), Aug. 1956, vol. 21, p. 52. A brief review of the situation in the U.S.S.R. One of the most pressing problems is that of dust at coal faces in thin and steeply dipping seams.

Iz Komissii po bor'be s silikozom pri
Akademii nauk SSSR.

BARON, L.I.

Effect of the height of hard mine specimens on their crushing strength
in time. Zav.lab.22 no.11:1352-1354 '56. (MLRA 10:2)

1. Institut gornogo dela Akademii nauk SSSR.
(Ores--Testing)

BARON, L.I.

Summaries of papers on dust prevention in crushing and milling
plants. TSvet.met. 29 no.4:86-87 Ap '56. (MLRA 9:8)
(Dust--Prevention)
(Metallurgical plants--Safety measures)

BARON, L.I., doktor tekhnicheskikh nauk.

New developments in the study of the physical and chemical principles in the dust detecting capacity of moisteners. TSvet. met. 29 no.6:74-75 Je '56. (MIRA 9:9)
(Mine dusts)

BARON, L.I., doktor tekhnicheskikh nauk.

Electronic konimeter for determining dust content in the air.
TSvet.met.29 no.11:83-85 N '56. (MLRA 10:1)
(Dust collectors) (Electronic instruments)

BARON, Lazar' Ixrailevich, doktor tekhnicheskikh nauk; VORONYUK, Anatoliy Stepanovich, Kandidat tekhnicheskikh nauk; SHUSTOVA, V.M., redaktor izdatel'stva; VAYNSHTEYN, Ye.B., tekhnicheskiy redaktor

[Use of underground crushing apparatus in ore mines] Primenenie podzemnykh drobil'nykh ustavok na metallicheskikh rudnikakh, Moskva, Gos. nauchno-tehn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1957. 186 p. (MLRA 10:6)
(Mining machinery) (Crushing machinery)

SKOCHINSKIY , A.A., akademik, red.; TERPIGOREV, A.M., akademik; SHEVYAKOV, L.D., akademik, red.; MEL'NIKOV, N.V., red.; AGOSHEOV, M.I., red.; SPIVAKOVSKIY, A.O., red.; PLAKSIN, I.N., red.; SUDOPLATOV, A.P., doktor tekhn.nauk, red.; BARON, L.I., doktor tekhn.nauk, red.; PROTOD'YAKONOV, M.M., doktor tekhn.nauk, red.; FAYERMAN, Ye.M., doktor tekhn.nauk, red.; MIKHEYEV, G.F., red.; CHETYRKIN, M.I., red.; IGNAT'YEVA, L.I., red.; BEKKER, O.G., tekhn.red.; ALADOVA, Ye.I., tekhn.red.

[Soviet mine engineering, 1917-1957] Sovetskaia gornaja nauka, 1917-1957. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po ugol'noi promyshlennosti "Ugletekhizdat," 1957. 640 p. (MIRA 11:1)

1. Akademiya nauk SSSR, Institut gornoj dela. 2. Chlen-korrespondent AN SSSR (for Mel'nikov, Agoshkov, Spivakovskiy, Plaksin).
(Mining engineering)

BARON, L.I.

SKORCHINSKIY, A.A., akademik; BARON, L.I., doktor tekhnicheskikh nauk.

Soviet science in the control of mine dust. Bezop. truda v prom.
1 no.1:7-11 Ja '57. (MLRA 10:4)

1. Institut gornogo dela Akademii nauk SSSR.
(Mine dusts) (Dust collectors)

BARON, L.I. (Moskva)

Third all-Union conference on silicosis control in the mining industry of the U.S.S.R. Gig.truda i prof.zab. l no.2:52-54 Mr-Ap '57.

(MLRA 10:6)

1. Iz komissii pri Akademii nauk SSSR po bor'be s silikozom.
(LUNGS--DUST DISEASES) (MINE SANITATION)

SKOCHINSKIY, A.A.; TERPIGOREV, A.M.; SHEVYAKOV, L.D., SERGEYEV, A.A.; ZAKHAROV, P.A.; USKOV, S.I.; AGOSHIKOV, M.I.; MEL'NIKOV, N.V.; BRONNIKOV, D.M.; YENIKEYEV, N.B.; PROTOPOPOV, D.D.; SUDOPLATOV, A.P.; BARON, L.I.; MAN'KOVSKIY, G.I.; NAZARCHIK, A.F.; TERPOGOSEV, Z.A.; BARSUKOV, F.A.; POMORTSEV, A.D.; DEMIDYUK, G.P.; MOLCHANOV, P.V.; MAKSIMOVA, Ye.P., GRIEIN, A.A.; BARONENKOV, A.V.; SINDAROVSKIY, N.S.; BOGOMOLOV, V.I.; KHODOV, L.V.; MOSKAL'KOV, Ye.F.; GONCHAROV, T.I.

Aleksandr Vasil'evich Kovazhenkov; obituary. Bezop. truda v prom.
1 no.12:35 D '57. (MIRA 12:3)
(Kovazhenkov, Aleksandr Vasil'evich, 1906-1957)

BARON, L.I., doktor tekhnicheskikh nauk.

Tragedies occurring in various systems of metal mining in the United States (from "Grubensicherheit und Gesundheitsschutz im Amerikanischen Bergbau" 1956). Gor. zhur. no.5:50-51 My '57. (MIRA 10:6)
(United States--Mine accidents)

AUTHOR: Baron, L.I. (Doctor of Technical Science). 136-7-17/22
TITLE: Investigation of the sonic method of precipitating mineral dust. (Issledovaniye zvukovogo metoda osazhdeleniya mineral'noy pyli).
PERIODICAL: "Tsvetnyye Metally", 1957, No.7, pp. 83-84 (USSR).

ABSTRACT: Recently the anti-silicosis committee of the Academy of Sciences of the USSR heard a report by R.I. Shkol'nikova on investigations of a sonic method for removing mineral dusts from air carried out by the VNIIIGormash (Leningrad) organisation. A Hartman-type generator producing frequencies of 5-50 kilohertz was used. Rates of settling 20 times the normal were obtained in an ordinary dust chamber under static conditions by using the sonic method. Data on settling rates under flow conditions were obtained in a special chamber and showed that beyond a certain intensity of the sonic field no further improvement in settling is obtained. Satisfactory results were obtained in an ore mine with a three-unit (sounding chamber, cyclone, additional glass-wool filter) installation; later the three-units were combined in a single installation. The committee approved the work and recommended its continuation.

1/2

136-7-17/22
Investigation of the sonic method of precipitating
mineral dust. (Cont.)

2/2 with attention to possible harmful effects on the
organism of sonic installations.

AVAILABLE: Library of Congress

S.A. 1

BARON, L.I.; SIMONYAN, Ye.A.

Friction angles of broken various-size iron ore on concrete.
Izv.AN Arm.SSR. Ser.tekh.nauk. 10 no.6:81-84 '57. (MIRA 11:2)

l.Institut gornogo dela AN SSSR i Institut geologicheskikh nauk.
(Iron mines and mining)

SKOCHINSKIY, A.A.; TERPIGOROV, A.M.; SHEVYAKOV, L.D.; AGOSHKOV, M.I.;
MEL'NIKOV, N.V.; BRONNIKOV, D.M.; YENIKEYEV, N.B.; HAZARCHIK, A.P.;
TERPOGOSEV, Z.A.; BARSUKOV, F.A.; SERGEYEV, A.A.; PROTOPOPOV, D.D.;
SUDOPLATOV, A.P.; BARON, L.I.; MAN'KOVSKIY, G.I.; POMORTSEV, A.D.;
DEMIDYUK, G.P.; KAPITANOV, T.V.; MOLCHANOV, P.V.; MAKSIMOVA, Ye.P.;
GRIBIN, A.A.; BARONENKOV, A.V.; SINDAROVSKIY, N.S.; BOGOMOLOV, V.I.;
KHODOV, L.V.; MOSKAL'KOV, Ye.F.

Aleksandr Vasil'evich Kovazhenikov; an obituary. Gor. zhur. no.12:
72 D '57. (MIRA 11:1)
(Kovazhenkov, Aleksandr Vasil'evich, d. 1957)

Baron, L.I.

BARON, L.I., doktor tekhn.nauk; TKACHEV, V.V., gornyy inzhener

Field testing of the simplified dry dust collector. Gig. i sn. 22
no.11:86-88 N '57. (MIRA 11:1)

1. Iz Komissii po Akademii nauk SSSR po bor'be s silikozom i
Nauchno-issledovatel'skogo instituta "Vniiasbesttsement"
(SILICOSIS, prev. & control
in mining, prev. with dry dust collector (Rus))

BARON, L. I.

(P 3,4,5)

PHASE I BOOK EXPLOITATION 879

Akademiya nauk SSSR. Institut gornogo dela

Voprosy razrabotki mestorozhdeniy poleznykh iskopayemykh (Problems in the Exploitation of Mineral Ore Deposits) Moscow, Izd-vo AN SSSR, 1958. 251 p. 4,000 copies printed.

Resp. Ed.: Mel'nikov, N.V., Corresponding Member, USSR Academy of Sciences; Ed. of Publishing House: Grigorash, K.I.; Tech. Ed.: Makuni, Ye.V.

PURPOSE: This book is intended for students and instructors of mining engineering vtuzes and for scientific, engineering and technical personnel engaged in the ore-mining and coal-mining industries.

COVERAGE: The book is a collection of 17 articles written by 18 authors under the direction of Professor Mikhail Ivanovich Agoshkov. It deals with the principles of mining engineering, particularly

~~Card 1/11~~

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Problems in the Exploitation (Cont.) 879

those applied to underground mining, surveys the technology of coal and ore mining, and discusses the most important practical methods of mine exploitation. The book is divided into four parts. Part 1 discusses the general problem of mining, Part 2 underground exploitation of ore deposits, Part 3 underground exploitation of coal deposits, and Part 4 open-cut mining processes. The articles are accompanied by diagrams, tables and bibliographic references.

TABLE OF CONTENTS:

PART I. GENERAL MINING PROBLEMS

Agoshkov, M.I., Corresponding Member of the Academy of Sciences, USSR and Bronnikov, D.M.. Certain Economically Advantageous Factors in Mining 5

The authors discuss the analytical-mathematical method of estimating economically advantageous cost of production and the selection of optimum conditions for given industrial factors. This analytical approach has been advocated for many years by Academician A.A.

~~Card 2/11-2~~

Problems in the Exploitation (Cont.) 879

The authors describe techniques and machinery used in silting mines to prevent subsidence, and offer suggestions for the further mechanization of this process. The text contains 8 figures. There are no references.

Baron, L.I., Doctor of Technical Sciences, and Fugzan, M.D., Stalin Prize Laureate. A Study of the Relationship Between the Angle of Natural Repose of Broken Ore and Its Size 115

It has been observed that the angle of natural repose of ore, an important factor which affects various mining designs, decreases with an increase in the size of broken ore. The authors discuss recent analytical and numerical data on the subject. There are 5 figures, 4 tables, and 2 Soviet references.

Baron, L.I., Doctor of Technical Sciences, and Voronyuk, A.S., Candidate of Technical Sciences. Method of Determining the Economic Expediency of Utilizing Underground Crushing Machinery 122

~~Gard 6/11~~

3

Problems in the Exploitation (Cont.) 879

Subsurface crushing offers the following advantages: 1) better working conditions and increased safety, 2) increased productivity, 3) more proficient mucking and tramping, and 4) more efficient utilization of hauling and hoisting equipment. Various designs are submitted by the authors. There are 4 figures, 12 tables, and 36 references, of which 24 are Soviet, 9 English, 2 German and 1 French.

Bronnikov, D.M., Candidate of Technical Sciences, and Chistov, V.A., Mining Engineer. The Effect of Blasting-hole Deviation on Ore Production 140

The authors propose and describe methods and techniques for increasing ore output through the control of boreholes by means of electric pulse and gyroscopic equipment. There are 14 figures and 5 tables. There are references.

Baron, L.I., Doctor of Technical Sciences, and Voronyuk, A.S., Can-

~~Card 7/11~~

4

- Problems in the Exploitation (CONT'D) 879
of Mineral Ore Deposits, Moscow, Izd-vo AN SSSR, 1956, 251pp.
- Candidate of Technical Sciences. Approximate Evaluation of the True Volume of Broken Ore by Its Three Maximum Dimensions 153
The authors provide a practical approach for classifying broken ore of different size and computing voids. There are 4 tables, 1 figure, and 2 Soviet references.
- Kovazhenkov, A.V., Candidate of Technical Sciences (Deceased), and Barsukov, F.A., Mining Engineer. Selecting Crosscut Dimensions in Mining by Blasting 157
The article describes the various techniques used in crosscutting in hard and very hard rocks. There are 3 figures, 4 tables, and 6 Soviet references.
- Baron, L.I., Doctor of Technical Sciences and Fugzan, M.D., Stalin Prize Laureate. Tests Demonstrating the Effect of the Nonuniformity of Ore Discharge 166
To insure uniformity in ore loading in mining apatite by shrinkage and block-carving, a worked out block filled with granulated ore and small wooden cubes was used as a model. The passage of such wooden models provides an idea of the pattern of ore passage.
5

SIPYAGIN, Vladimir Aleksandrovich,; SACHKOV, Aleksandr Fedorovich,;
BARON, L.I., red.; SHUSTOVA, V.M., red. izd-va,; ISLET'YEVA,
P.G., tekhn. red.

[Dust elimination in mines; a practical handbook] Obespylivanie
atmosfery rudnikov; prakticheskoe rukovodstvo. Moskva, Gos.
nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii,
1958. 400 p. (MIRA 11:12)

(Mine dust)

BARON, L.I., prof., doktor tekhn.nauk; YERSHOV, N.N., gornyy inzh.;
LEPESHINSKAYA, Ye.V., red.; KRYUCHKOVA, V.N., tekhn.red.

[English-Russian mining dictionary] Anglo-russkii gornyi
slovar'. Pod red. L.I. Barona. Moskva, Gos.izd-vo fiziko-
matem.lit-ry, 1958. 992 p. (MIRA 12:4)
(English language--Dictionaries--Russian)
(Mining engineering--Dictionaries)

BARON, L.I.; VORONYUK, A.S.; SIMONYAN, Ye.A.; FUGZAN, M.D.

Computed values for the physiomechanical characteristics of
mixtures of pieces of rock having various hardnesses. Izv. AN
Kazakh. SSR. Ser. gor. dela no.1:lll-118 '58.

(Rocks—Testing)

(MIRA 16:5)

BARON, L.I., doktor tekhn. nauk; KURBATOV, V.M., nauchnyy sotrudnik; ORLOV,
R.V., nauchnyy sotrudnik.

Effect of size correlation of rock samples on temporary resistance
to crushing. Gor. zhur. no.2:17-19 F '58. (MIRA 11:3)

1. Institut gornogo dela AN SSSR.
(Rocks--Testing)

BARON, L.I., BIRYUKOV, N.I. (Moskva)

Incidence of pneumoconiosis and coal dust control in Ruhr mines.
Gig.truda i prof. zab. 2 no.5:59-60 S-0 '58 (MIRA 11:11)

1. Komissiya pri Akademii nauk SSSR po bor'be s silikozom.
(RUHR VALLEY--MINE DUSTS)
(RUHR VALLEY--LUNG--DUST DISEASES)

BARON, L.I., prof., doktor tekhn.nauk

Prevention of silicosis in the mining industry of Canada. Bezop.truda
v prom. 2 no.9:34-35 S '58. (MIRA 11:9)

(Canada--Lungs--Dust diseases)

(Canada--Mining engineering--Safety measures)

14(5)

SOV/112-59-5-9630

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 5,
pp 168-169 (USSR)

AUTHOR: Baron, L. I.

TITLE: Investigations of Automatic Hydraulic Dust Elimination

PERIODICAL: Kolyma, 1958, Nr 3, pp 42-44

ABSTRACT: During first experiments with hydraulic dust elimination at the Kafan concentrating plant, a type TON-4 fog-producing apparatus was used for ore moistening; the apparatus dispersed water by means of compressed air; however, on conveyer stops, the water continued to flow and drenched the equipment. To stop water at no-ore on the conveyer, a gamma-relay was designed, first with electron tubes and later with transistors. Cobalt-60 isotope was selected as a radiator, the Geiger-Mueller counter, as a radiation detector. Tests of the electron-tube-type gamma-relay at the Kafan and Kardzharan plants yielded positive results. A special gamma-relay responsive

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SOV/112-59-5-9630

Investigations of Automatic Hydraulic Dust Elimination

to the mass of ore on the band and step-controlling the water feed has been developed for automatic hydraulic dust elimination at old concentrating plants.

B.A.K.

Card 2/2

BARON, L.I.; GIAUBITS, Zh.K.

Linear and point methods of determining lump size by means of
photoplanoigrams. Izv.Kar. i Kol'.fil.AN SSSR no.3:107-115 '58.
(MIRA 11:12)

1. Institut gornogo dela AN SSSR.
(Coal mines and mining)

FUGZAN, M.D.; BARON, L.I.; MARKENZON, E.I.

Experimental study of shallow hammer drilling at the Kirov apatite
mine. Izv.Kar.i Kol.fil.AN SSSR no.5:130-139 '58.
(MIRA 12:9)

1. Institut khimii i tekhnologii redkikh elementov i mineral'noe
syr'ya Kol'skogo filiala AN SSSR.
(Boring)

BARON, L. I.

AUTHOR: Solomonov, M.

COV/24-58-5-30/31

TITLE: Scientific-Method Conference on the Problem of
Breaking-up Rocks by Explosions (Pervoye nauchno-
metodicheskoye soveshchaniye po probleme drobleniya
gornykh porod vzryvom)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdeleniye Tekhnicheskikh
Nauk, 1958, Nr 5, pp 143-144 (USSR)

ABSTRACT: On February 24-26, 1958 a conference was held on breaking-
up rocks by explosions at the Institute of Mining, Ac.Sc.,
USSR (Institut Gornogo Dela AN SSSR). 100 people from
32 towns participated and the participants included
representatives of Works, Research Institutes of the
Ac.Sc. from various parts of the Soviet Union,
departmental research institutes and of higher teaching
establishments. On general theoretical problems the
following papers were presented:
"On the problem of breaking-up rocks by explosions,
present state and tasks" by L. I. Baron, Institute of
Mining, Ac.Sc., USSR;
"On the dependence of the breaking-up on the total energy
of the explosion" by A. F. Belyayev, Institute of

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SOV/24-58-5-30/31

Scientific-Method Conference on the Problem of Breaking-up
Rocks by Explosions

Chemical Physics, Ac.Sc. USSR (Institut khimicheskoy
fiziki AN SSSR);

"On experimental methods of studying the breaking-up of
solid bodies" by L. K. Belokurov, Institute of Chemical
Physics, Ac.Sc., USSR;

"On controlling the energy of elastic waves in rocks
possessing a high acoustic rigidity and ensuring yield
of fragments of a pre-determined size" by A.N.Khinukayev,
Leningrad Mining Institute (Leningradskiy gornyy institut);
"On the technique of studying the character of breaking-up
of firm rocks by means of charges of increased length"
by V. I. Filippov, Institute of Mining, Ac.Sc.
Kazakhstan SSR;

"On investigating the fields of the potential and the
process of breaking-up of rocks by explosions in the
case of instantaneous and briefly delayed charges in the
terraces of open-cast mining" by F. A. Beliyenko,
Dnepropetrovsk Mining Institute.

Card 2/5 In the section relating to evaluation of the crushing
properties of explosives and the breaking-up of rocks the

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Scientific-Method Conference on the Problem of Breaking-up
Rocks by Explosions

following papers were presented:

"A new test for the examination of explosives in crushing operations" by L. I. Baron, B. D. Rossi, Institute of Mining, Ac.Sc. USSR;

"An investigation of the brisancy according to Hess as a characteristic of the properties of explosives in breaking-up rocks" by S. P. Levichik, Institute of Mining, Ac.Sc., USSR;

"On the influence of the explosive characteristics of explosives on the quality of breaking down of highly fissured and flooded rocks" by V. I. Mosinets, Institute of Non-Ferrous Metals and Gold;

"On the laboratory technique of determining the breaking-up of rocks" by L. I. Baron, R. V. Orlov, V.M.Kubatov, Institute of Mining, Ac.Sc. USSR.

In the section relating to determining the dimensions of fragments the following papers were presented:

"On the quantitative indices of the quality of breaking-up of rocks and the technique of their determination during work with explosives in railroad

Card 3/5

SOV/24-58-5-30/31

Scientific-Method Conference on the Problem of Breaking-up
Rocks by Explosions

construction" by Ye. Yu. Brodov, TsNIIS;
"Industrial production methods of estimating the fragmentation of rock produced by explosive breaking-up in quarries" by G. P. Demidiyuk, and G. S. Cherepanov, Institute of Mining, Ac.Sc. USSR;
"Photogrammetric method of evaluating fragmentation of a rock mass" by O. S. Mechikov, Moscow Mining Institute. In the section relating to the influence of the parameters of explosive fragmentation on the breaking-up of rocks and data of industrial investigations the following papers were presented:
"On the degree of fragmentation of ore and determination of its optimum value" by V. I. Terent'yev, Mining-Geological Station, Ac.Sc., USSR;
"On the first results of applying inclined bore holes of a reduced dimension for explosive work under difficult rock conditions in the Pervoural quarry" by N.U.Turuta, Sverdlovsk Mining Institute;
"On determining the rational degree of fragmentation of rocks by means of explosives" by B. N. Kutuzov, Moscow Mining Institute.

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SOV/24-58-5-30/31

Scientific-Method Conference on the Problem of Breaking-up
Rocks by Explosions

Twenty people participated in the discussion. At the end of the conference it was decided that further work on the problems discussed requires efficient coordination and that the present state of the art in this field lags behind the requirements of the Soviet Mining Industry. The necessity was emphasized of studying the rate of fragmentation of rocks by dynamic methods; in accordance with the proposal by the Mining Institute, Ac.Sc. USSR a simplified method of dynamic tests are to be carried out on many types of rocks. The Hess test is inadequate for evaluating the effectiveness of various explosives for breaking-up rocks.

Card 5/5

BARON, L.I., SIMONYAN, Ye.A.

Effect of moisture on the friction angle of broken ores of various size on wood, iron, and concrete. Izv. AN Arm.SSR, Ser. tekhn. nauk 11 no. 3:37-44 '58. (MIRA 11:8)

1. Institut gornogo dela AN SSSR i Institut geologicheskikh nauk AN ArmSSR.

(Iron mines and mining)

BARON, Lazar Izrailevich; VLASOV, Orest Yevgen'yevich; SMIRNOV, Sergey Anatol'yevich; TERMETCHIKOV, Marat Karimovich; LEDOVSKAYA, V.V., otv. red.; IVLEVA, N.P., red.; BERESLAVSKAYA, L.Sh., tekhn. red.; GALANOVA, V.V., tekhn. red.

[Effect of the shape of the blasting charge on the results of the explosion] Vliyanie formy zariada vybrosa na rezul'tat vzryva. Moskva, TSentr.in-t tekhn.informatsii ugol'noi promyshl., 1959. 15 p.

(MIRA 15:1)

(Blasting)

BARON, Lazar' Israilevich, prof., doktor tekhn.nauk; FUGZAN, Mark Davidovich, kand.tekhn.nauk; BRONNIKOV, D.M., otd.red.; ARON, G.M., red.izd-va; ZENDEL', M.Ye., tekhn.red.

[Study of ore delivery in panel mining systems with forced sublevel caving] Issledovanie vypuska rudy pri sisteme etashnogo prinuditel'nogo obrusheniia s vyemkoi poliami. Moskva, Izd-vo Akad.nauk SSSR, 1959. 106 p. (MIRA 12:6)
(Mining engineering)

BARON, Lazar' Izrailevich, prof., doktor tekhn.nauk; SIMONYAN, Yevgeniy ..
Archakovich; BANKETOV, A.K., gorn.inzh., retsenzent; IVANOV, S.K.,
retsenzent; SHOSTAK, A.G., retsenzent; SMOLDYREV, A.Ya., red.:
PARTSEVSKIY, V.N., red.izd-va; ISLEN'TYEVA, P.G., tekhn.red.

[Chute loading in underground ore mining] Liukovaia pogruska
pri podzemnoi dobyche rud. Moskva, Gos.nauchno-tekhn.izd-vo
lit-ry po chernoi i tsvetnoi metallurgii, 1959. 206 p.

(MIRA 12:6)

(Loading and unloading) (Ore handling)

ABRAMOV, F.A., prof., doktor tekhn.nauk; BALTAYTIS, V.Ya., inzh.;
BARON, L.I., doktor tekhn.nauk; BATALIN, S.A., dotsent, kand.
tekhn.nauk; BYKOV, L.N., prof., doktor tekhn.nauk; VESELOVSKIY,
V.S., prof., doktor tekhn.nauk; VLADIMIRSKIY, V.V., kand.tekhn.
nauk [deceased]; VORONIN, V.N., doktor tekhn.nauk [deceased];
VORONINA, L.D., kand.tekhn.nauk; VOROPAYEV, A.F., prof., dokt.tekhn.
nauk; ZHUKOV, G.I.; KOMAROV, V.B., prof., doktor tekhn.nauk;
KRICHESKIY, R.M., kand.tekhn.nauk; KSENOFONTOVA, A.I., dotsent,
kand.tekhn.nauk; LIDIN, G.D., doktor tekhn.nauk; MILETICH, A.F..
dotsent, kand.tekhn.nauk; MUSTEL', P.I., dotsent, kand.tekhn.
nauk; NOVIKOV, K.P., kand.tekhn.nauk; OGIREVSKIY, V.M., prof.,
doktor tekhn.nauk [deceased]; POLESIN, Ya.L., inzh.; RIPP, M.G..
dotsent, kand.tekhn.nauk; SOBOL'EV, G.G., inzh.; SOLOV'YEV, P.M..
inzh.; SUKHAREVSKIY, V.M., kand.tekhn.nauk; KHEYFITS, S.Ya., dotsent,

(Continued on next card)

ABRAMOV, F.A.---(continued) Card 2.

kand.tekhn.nauk; KHODOT, V.V., kand.tekhn.nauk; SHCHEBAN', A.N.; TERPIGOREV, A.M., glavnnyy red.; SKOCHINSKIY, A.A., otv. red.toma; ZAYTSEV, A.P., zam. otv.red.toma; BOBROV, I.V., red. toma; KOMAROV, V.B., red.toma; SIRYACHENKO, F.N., red.toma; VARZIN, A.V., kand.tekhn.nauk, red.toma; KLIMANOV, A.D., dots.,kand. tekhn.nauk, red.toma; KRIVONOGOV, K.K., inzh., red.toma; NEUIMIN, I.N., inzh., red.toma; TITOV, N.G., doktor tekhn.nauk, red.toma; CHIZHOV, B.D., kand.tekhn.nauk, red.toma; GNEDIN, V.Ye., red. izd-va; NIKOLAYEV, V.F., red.izd-va; BASHEVA, T.A., red.izd-va; PROZOROVSKAYA, V.L., tekhn.red.

[Mining; an encyclopedic dictionary] Gornoe delo; entsiklopedicheskii spravochnik. Glav.red. A.M.Terpigorev. Chleny glav. red.: A.I.Barabanov i dr. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po ugol'noi promyshl. Vol.6. [Mine atmosphere and ventilation; controlling dust, gases, and fires; mine rescue work] Rudnichnaia atmosfera i ventiliatsiya; Bor'ba s pyl'iu, gazami i pozharami; Gornospasatel'noe delo. Redkollegiia toma: A.A.Skochinskii i dr. 1959. 375 p. (MIRA 12:6)

1. Chlen-korrespondent AN USSR (for Shcherban').
(Mine ventilation) (Mine rescue work)

MEL'NIKOV, N.V., red.; ASSONOV, V.A., red.; BARON, L.I., red.; DEMIDYUK, kand.tekhn.nauk; red.; DOKUCHAYEV, M.M., gornyy inzh., red.; PETROV, N.G., kand.tekhn.nauk, red.; SOSEDOV, O.O., red.; KHARLAMOV, T.F., red.; MAKSIMOVA, Ye.P., red.; RATNIKOVA, A.P., red.izd-va; SHKLYAR, S.Ya., tekhn.red.; KOROVENKOVA, Z.A., tekhn.red.

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